

CLAIMS

What is claimed is:

1. (Cancelled without prejudice)

2. (Currently amended) The remotely monitored medication delivery system described in claim 1~~8~~, wherein said transmitter is activated to send the signal automatically when one of said sensors senses that one of the at least one of said doors has been opened.

3. (Currently amended) The remotely monitored medication delivery system described in claim 1~~8~~, further comprising a unique electronic system identifier, wherein said unique electronic system identifier is transmitted to the remote receiver along with the status of said at least one door.

4. (Currently amended) The remotely monitored medication delivery system described in claim 1~~8~~, further comprising a clock apparatus in at least indirect signal communication with said transmitter for generating a date and time stamp, wherein said date and time stamp is transmitted to the remote receiver along with the status of said at least one door.

5. (Currently amended) The remotely monitored medication delivery system described in claim 1~~8~~, further comprising a global positioning system in at least indirect signal communication with said transmitter for determining the geographical position of said system, wherein said position is transmitted to the remote receiver along with the status of said at least one door.

6. (Currently amended) The remotely monitored medication delivery system described in claim 1~~8~~, further comprising a data encryption device in at least indirect signal communication with said transmitter, wherein any transmission is received and encrypted by said data encryption device prior to transmission by said transmitter.

7. (Currently amended) The remotely monitored medication delivery system described in claim 18, wherein each of said at least one of said doors includes a unique electronic door identifier such that the unique electronic door identifier is transmitted to the remote receiver along with the status of said at least one door.

8. (Currently amended) The remotely monitored medication delivery system described in claim 18, wherein the transmitter is a two-way pager telemetry system.

9. (Currently amended) The remotely monitored medication delivery system described in claim 18, wherein the remote receiver is further connected to a database through a network, such that when said receiver receives a signal from the transmitter, the receiver converts said signal to an electronic mail and transmits said electronic mail to said database through said network.

10. (Original) The remotely monitored medication delivery system described in claim 9, wherein said receiver further comprises an encryption system such that said electronic mail is encrypted prior to transmission.

11. (Original) The remotely monitored medication delivery system described in claim 9, wherein said database is a secure database.

12. (Currently amended) The remotely monitored medication delivery system described in claim 18, further comprising a digital thermometer in at least indirect signal communication with said transmitter for recording a patient's temperature, said transmitter further configured to communicate said temperature to the remote receiver.

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13. (Original) The remotely monitored medication delivery system described in claim 12, further comprising a memory device for at least temporarily storing said temperature prior to transmission.

14. (Cancelled without prejudice)

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15. (Currently amended) The remotely monitored medication delivery system described in claim 18, wherein the data entry device is an alphanumeric keypad.

16. (Cancelled without prejudice)

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17. (Currently amended) The remotely monitored medication delivery system described in claim 18, wherein the at least one predetermined code corresponds to a specific patient symptom.

18. (Currently Amended) A remotely monitored medication delivery system comprising: at least one dosage containment unit defining an internal volume, each of the at least one containment units having at least one moveable door defining an opening thereto; a sensor in signal communication with each of the at least one moveable door for monitoring the status of said door and producing a signal indicative of said status; and a transmitter in signal communication with said sensor for receiving the signal from said sensor and transmitting the signal to a remote receiver, further comprising a data entry device in at least indirect signal communication with said transmitter such that data entered into said remotely monitored medication delivery system is transmitted to said remote receiver by said transmitter, further comprising a data entry device in at least indirect signal communication with said transmitter such that data entered into said remotely monitored medication delivery system is transmitted to said remote receiver by said transmitter, wherein the remote receiver further comprises: a programmable controller having a

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predefined alert table programmed therein in at least indirect signal communication with said remote receiver, wherein said alert table contains alert codes for each of the at least one predetermined codes; and a second transmitter in at least indirect signal communication with said programmable controller, wherein said programmable controller receives said data from said remote receiver, scans said data for at least one predetermined codes, compares said at least one predetermined code versus said alert table, and generates at least one alert code based on said alert table, and wherein said second transmitter is activated to send said data to at least one supervising medical attendant when indicated by said alert code.

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19. (Original) The remotely monitored medication delivery system described in claim 18, wherein said second transmitter transmits said data through a medium selected from the group consisting of electronic mail, a page, or a hardwired monitor.

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20. (Currently amended) The remotely monitored medication delivery system described in claim 18, further comprising at least one internal memory device for at least temporarily storing data generated by said system at least one of either prior to or after transmission by said transmitter.

21. (Currently amended) The remotely monitored medication delivery system described in claim 18, further comprising at least one internal memory device for at least temporarily storing signals generated by said system at least one of either prior to or after transmission by said transmitter.

22. (Currently amended) The remotely monitored medication delivery system described in claim 18, wherein the system comprises a plurality of dosage containment units.

23. (Original) The remotely monitored medication delivery system described in claim 22, wherein said plurality of units are arranged in a sequential order such that each of the plurality of doors except a first door and a last door has one preceding door and one succeeding door, and wherein said system further comprises a mechanical interlock system engaged with said plurality of doors such that the interlock system locks each succeeding door until the door immediately preceding said succeeding door is opened.

24. (Currently amended) The remotely monitored medication delivery system described in claim 18, further comprising a digital scale for recording a patient's weight in at least indirect signal communication with said transmitter, said transmitter further configured to communicate that weight to the remote receiver.

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25. (Currently amended) The remotely monitored medication delivery system described in claim 18, further comprising a digital blood pressure monitor for recording a patient's blood pressure in at least

indirect signal communication with said transmitter, said transmitter further configured to communicate
~~that blood pressure to the remote receiver.~~

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26. (Currently amended) The remotely monitored medication delivery system described in claim 18,
 wherein the system transmitter is designed to automatically transmit the signals indicative of the status of
 the at least one door at a predetermined time interval.

27. (Currently amended) The remotely monitored medication delivery system described in claim 18,
 further comprising a programmable timer, wherein the timer may be programmed with at least one
 medication dosage schedule having at least one medication event.

28. (Original) The remotely monitored medication delivery system described in claim 27, further
 comprising an alarm in signal communication with said programmable timer such that when the at least
 one medication schedule indicates a medication event the alarm is activated to provide an indication to a
 patient.

29. (Original) The remotely monitored medication delivery system described in claim 27, further
 comprising a remote patient notification system in signal communication with said programmable timer
 such that when the at least one medication schedule indicates a medication event the remote patient
 notification system is activated to communicate the event to a patient remotely.

30. (Original) The remotely monitored medication delivery system described in claim 29, wherein the
 remote patient notification system comprises a communication system selected from the group consisting
 of a pager, a cellular phone, and a telemetry RF frequency.

31. (Original) The remotely monitored medication delivery system described in claim 27, further
 comprising at least one locked mounted on each of said at least one doors, wherein each said at least one
 lock is in signal communication with said programmable timer such that each said at least one lock is
 unlocked automatically when said programmable timer indicates the occurrence of a medication event.

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32. (Currently amended) A remotely monitored medication delivery system comprising: a plurality of dosage containment units, each unit defining an internal volume and having at least one moveable door defining an opening thereto, wherein said plurality of units are arranged in a sequential order such that each of the plurality of doors except a first door and a last door has one preceding door and one succeeding door, a mechanical interlock system engaged with said plurality of doors such that the interlock system locks each succeeding door until the door immediately preceding said succeeding door is opened; a sensor in signal communication with the at least one moveable door for monitoring the status of said door and producing a signal indicative of said status, wherein each of said plurality of doors includes a unique electronic door identifier such that the unique electronic door identifier is transmitted to the transmitter along with the signal; a transmitter in signal communication with said sensor for receiving the signal from said sensor and transmitting the signal to a remote receiver, wherein said transmitter is activated to send the signal automatically when said sensor senses that one of the plurality of doors has been opened; an electronic system identifier uniquely indicative of the particular remotely monitored medical system, wherein said electronic system identifier is transmitted to the remote receiver along with the signal; a clock apparatus in at least indirect signal communication with said sensor and said transmitter, wherein the date and time is generated by the clock and transmitted to the transmitter for transmission to the remote receiver when the sensor indicates that one of the plurality of doors has been opened; a data entry device in at least indirect signal communication with said transmitter such that data entered into said remotely monitored medication delivery system is transmitted to said remote receiver by said transmitter; and an encryption device in at least indirect signal communication with said transmitter, wherein any transmission is received and encrypted by said data encryption device prior to transmission by said transmitter.

33. (Original) The remotely monitored medication delivery system described in claim 32, wherein the data entry device is an alphanumeric keypad.

34. (Original) The remotely monitored medication delivery system described in claim 32, wherein the data includes at least one predetermined code indicative of a patient's condition.

35. (Original) The remotely monitored medication delivery system described in claim 34, wherein the at least one predetermined code corresponds to a specific patient symptom.

36. (Currently Amended) The remotely monitored medication delivery system described in claim 34, wherein the remote receiver further comprises: a programmable controller having a predefined alert table programmed therein in at least indirect signal communication with said remote receiver, wherein said alert table contains alert codes for each of the at least one predetermined codes; and a second transmitter in at least indirect signal communication with said programmable controller, wherein said programmable controller receives said data from said remote receiver, scans said data for at least one predetermined codes, compares said at least one predetermined code versus said alert table, and generates at least one alert code based on said alert table, and wherein said second transmitter is activated to send said data to at least one supervising medical attendant when indicated by said alert code.

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37. (Original) The remotely monitored medication delivery system described in claim 36, wherein said second transmitter transmits said data through a medium selected from the group consisting of electronic mail, a page, or a hardwired monitor.

38. (Currently Amended) The remotely monitored medication delivery system described in claim 32, further comprising a digital thermometer for recording a patient's temperature in at least indirect signal communication with said transmitter, said transmitter further configured to communicate that temperature to the remote receiver.

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39. (Original) The remotely monitored medication delivery system described in claim 32, further comprising a memory device for at least temporarily storing said temperature prior to transmission.

40. (Original) The remotely monitored medication delivery system described in claim 32, further comprising at least one internal memory device for at least temporarily storing data generated by said system at least one of either prior to or after transmission by said transmitter.

41. (Currently Amended) The remotely monitored medication delivery system described in claim 32, further comprising a digital scale for recording a patient's weight in at least indirect signal

communication with said transmitter, said transmitter further configured to communicate that weight to the remote receiver.

42. (Currently Amended) A method for remotely delivering medication comprising: providing to a patient the remotely monitored medication system of Claim 18; filling each of said at least one dosage containment units with at least one medication dosage; and monitoring said remote receiver to determine the patient's compliance with a medication schedule.

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